

RESEARCH PROPOSAL

July 2004

California Environmental Protection Agency



Air Resources Board

Quantifying Pollutant Emissions from Office Equipment

University of California, Berkeley

Thomas E. McKone, Ph.D.

\$799,279 (36 months)

Funded by CEC PIER Program

OBJECTIVE

Measure emissions from a selected set of office equipment used in residential and office environments.

RESEARCH TEAM & FACILITIES

- **A team of five highly qualified investigators.**
- **State-of-the-art analytical laboratory facilities at UCB.**
- **Access to state-of-the-art indoor-air exposure chambers at Lawrence Berkeley National Laboratory (sub-contractor) and expertise.**

EXPECTED RESULTS

- **Quantification of air pollutants of interest emitted by distributed office equipment.**
- **Characterization of aging and use effects on emissions from equipment.**
- **Determination of importance of operational factors that can be used to reduce pollutant emissions.**
- **Determine relationship between energy consumption and emissions.**

RESEARCH PROPOSAL

July 2004

California Environmental Protection Agency



Air Resources Board